


**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

### DATA MATRIX

Date 3/1/2018	EPA Reg No./File Symbol 93365-R	Page 1 of 6
Applicant's/Registrant's Name & Address Orion KME, LLC 340 W. 32nd Street #383, Yuma, AZ 85364		Product Mesotrione Technical

Ingredient Mesotrione

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY</b>					
830.1550	product identification and disclosure of ingredients	50249101	Orion KME, LLC	OWN	
830.1600	description of beginning materials	50249101	Orion KME, LLC	OWN	
830.1620	description of manufacturing process	50249101	Orion KME, LLC	OWN	
830.1670	discussion of formation of impurities	50249101	Orion KME, LLC	OWN	
830.1700	preliminary analysis	50429102	Orion KME, LLC	OWN	
830.1750	certification of limits	50249101	Orion KME, LLC	OWN	
830.1800	enforcement analytical method	50429102	Orion KME, LLC	OWN	
830.6302	color	90429103	Orion KME, LLC	OWN	
830.6303	physical state	90429103	Orion KME, LLC	OWN	
830.6304	odor	90429103	Orion KME, LLC	OWN	
830.6313	stability to normal and elevated temperatures	90429103	Orion KME, LLC	OWN	
830.6314	oxidation / reduction: chemical incompatibility	49622504 49668905	Chemstarr LLC United Phosphorus, Inc.	PAY	
Signature 			Name and Title: Robert Hawk, Agent		Date: 3/1/2018

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

### DATA MATRIX

Date 3/1/2018


EPA Reg No./File Symbol 93365-R

Page 2 of 6

Applicant's/Registrant's Name & Address  
Orion KME, LLC  
340 W. 32nd Street #383, Yuma, AZ 85364

Product  
Mesotrione Technical

Ingredient Mesotrione

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6315	flammability		Not applicable; not a liquid		
830.6316	explodability		Not applicable; not potentially explosive		
830.6317	storage stability	50016701 50036601	Chemstarr, LLC Helm Agro US, Inc.	PAY	
630.6319	miscibility		Not applicable; not a liquid		
830.6320	corrosion characteristics	50016701 50036601	Chemstarr, LLC Helm Agro US, Inc.	PAY	
830.6321	dielectric breakdown voltage		Not applicable; not for use indoors		
830.7000	pH	90429103	Orion KME, LLC	OWN	
830.7050	UV / visible absorption	90429103	Orion KME, LLC	OWN	
830.7100	viscosity		Not applicable; not a liquid		
830.7200	melting point	90429103	Orion KME, LLC	OWN	
830.7220	boiling point		Not applicable; not a liquid		
830.7300	density / relative density/specific gravity	90429103	Orion KME, LLC	OWN	
830.7370	dissociation constant in water	49668911	United Phosphorus, Inc.	PAY	
Signature 			Name and Title: Robert Hawk, Agent	Date: 3/1/2018	

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

### DATA MATRIX

Date 3/1/2018

EPA Reg No./File Symbol 93365-R

Page 3of 6

Applicant's/Registrant's Name & Address  
Orion KME, LLC  
340 W. 32nd Street #383, Yuma, AZ 85364

Product  
Mesotrione Technical

#### Ingredient Mesotrione

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7570	octanol / water partition coefficient	90429103	Orion KME, LLC	OWN	
830.7840	water solubility	90429103	Orion KME, LLC	OWN	
830.7860	solubility in organic solvents	90429103	Orion KME, LLC	OWN	
830.7950	vapor pressure	90429103	Orion KME, LLC	OWN	

#### ACUTE TOXICITY

870.1100	acute oral toxicity: rat	49511214 49622506 49623210 49668917 49709612 49722609	Rotam Limited Chemstar LLC Greenfields Marketing Ltd. United Phosphorus, Inc. Helm Agro US, Inc. Sharda Cropchem Limited	PAY	
870.1200	acute dermal toxicity	49511215 49622507 49623205 49668918 49709613 49722610	Rotam Limited Chemstar LLC Greenfields Marketing Ltd. United Phosphorus, Inc. Helm Agro US, Inc. Sharda Cropchem Limited	PAY	
870.1300	acute inhalation toxicity	49511216 49622508 49623206 49668919 49709614 49722611	Rotam Limited Chemstar LLC Greenfields Marketing Ltd. United Phosphorus, Inc. Helm Agro US, Inc. Sharda Cropchem Limited	PAY	

Signature

*Robert Hawk*

Name and Title: Robert Hawk, Agent

Date: 3/1/2018

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

### DATA MATRIX

Date 3/1/2018

EPA Reg No./File Symbol 93365-R

Page 4 of 6

Applicant's/Registrant's Name & Address  
Orion KME, LLC  
340 W. 32nd Street #383, Yuma, AZ 85364

Product  
Mesotrione Technical

Ingredient Mesotrione

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
----------------------------	----------------------	-------------	-----------	--------	------

#### ACUTE TOXICITY

870.2400	acute eye irritation	49511217 49622509 49623207 49668920 49709615 49722612	Rotam Limited Chemstar LLC Greenfields Marketing Ltd. United Phosphorus, Inc. Helm Agro US, Inc. Sharda Cropchem Limited	PAY	
870.2500	acute dermal irritation	49511218 49622510 49623208 49668921 49709616 49722613	Rotam Limited Chemstar LLC Greenfields Marketing Ltd. United Phosphorus, Inc. Helm Agro US, Inc. Sharda Cropchem Limited	PAY	
870.2600	skin sensitization	49511219 49622511 49653209 49668922 49709617 49722614	Rotam Limited Chemstar LLC Greenfields Marketing Ltd. United Phosphorus, Inc. Helm Agro US, Inc. Sharda Cropchem Limited	PAY	

Signature



Name and Title: Robert Hawk, Agent

Date: 3/1/2018

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

**DATA MATRIX**

Date 3/1/2018


EPA Reg No./File Symbol 93365-R

Page 5 of 6

Applicant's/Registrant's Name & Address  
Orion KME, LLC  
340 W. 32nd Street #383, Yuma, AZ 85364

Product  
Mesotrione Technical

Ingredient Mesotrione

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 870 other: cite-all Series 810: cite-all Series 835: cite-all Series 840: cite-all Series 850: cite-all Series 860: cite-all Series 875: cite-all	Toxicology: generic data	multiple	Syngenta Crop Protection, LLC	PAY	
	Product Performance: generic data		FMC Corporation	PAY	
	Fate, Transport and Transformation: generic data		E. I. du Pont de Nemours and Company	PAY	
	Spray Drift: generic data		The Scotts Company	PAY	
	Ecological Effects: generic data		Syngenta Crop Protection	PAY	
	Residue Chemistry: generic data		Drexel Chemical Company	PAY	
	Occupational and Residential Exposure: generic data		Loveland Products, Inc.	PAY	
			Dow Agrosiences LLC	PAY	
			Spray Drift Task Force	PAY	
			United Phosphorus, Inc.	PAY	
			Outdoor Residential Exposure Task Force	PAY	
			Agricultural Reentry Task Force	PAY	
			FIFRA Endangered Species Task Force	PAY	
Signature 			Helm Agro US, Inc.	PAY	
			Name and Title: Robert Hawk, Agent		Date: 3/1/2018



**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

**DATA MATRIX**

Date 3/1/2018


EPA Reg No./File Symbol 93365-R

Page 6 of 6

Applicant's/Registrant's Name & Address  
Orion KME, LLC  
340 W. 32nd Street #383, Yuma, AZ 85364

Product  
Mesotrione Technical

Ingredient Mesotrione

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 870 other: cite-all  Series 810: cite-all  Series 835: cite-all  Series 840: cite-all  Series 850: cite-all  Series 860: cite-all  Series 875: cite-all	Toxicology: generic data	multiple	Agricultural Handler Exposure Task Force	PAY	
	Product Performance: generic data		Rotam Limited	PAY	
			Chemstarr, LLC	PAY	
	Fate, Transport and Transformation: generic data		Rotam Agrochemical Company, Ltd.	PAY	
			Sharda USA, LLC	PAY	
	Spray Drift: generic data		Willowood, LLC	PAY	
			Greenfields Marketing, Ltd.	PAY	
	Ecological Effects: generic data				
Occupational and Residential Exposure: generic data					
Signature 			Name and Title: Robert Hawk, Agent		Date: 3/1/2018